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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	12/666,883-Conf. #6849
				Filing Date	September 19, 2003
				First Named Inventor	Andrew Segal
				Art Unit	1648
				Examiner Name	B. P. Blumel
Sheet	1	of	3	Attorney Docket Number	85849DIV4(308597)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA**	US-5,866,131	02-02-1999	Ramshaw, et al.	
	AB**	US-5,376,367	12-27-1994	Williams	
	AC**	US-7,629,440	12-08-2009	Segal et al.	
	AD**	US-5,891,432	04-06-1999	Hoo	
	AE**	US-6,277,369	08-21-01	Hiserodt, et al.	
	AF**	US-6,911,317	06-2005	Meyers, et al.	
	AG**	US-6,015,709	01-2000	Natesan et al.	
	AH**	US-2003/0091640	05-2003	Ramanathan et al.	
	AI**	US-2003/0206917	11-2003	Tykocinski et al.	
	AJ**	US-2003/0129197	07-2003	Fiers et al.	
	AK**	US-2004/0122217	06-2004	Segal et al.	
	AL**	US-2004/0126357	07-2004	Segal et al.	
	AM**	US-2004/0126793	07-2004	Segal et al.	
	AN**	US-2004/0142889	07-2004	Segal et al.	
	AO**	US-2004/0151728	08-2004	Segal et al.	
	AP**	US-2004/0180389	09-2004	Segal et al.	
	AQ**	US-2004/0241137	12-2004	Segal et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA**	WO-99/61051	12-02-1999			
	BB**	CA 2,375,619		Bublot M. et. al.		

Examiner Signature		Date Considered	
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<b>NON PATENT LITERATURE DOCUMENTS</b>					
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	CA**	Burbage et al., Ricin Fusion Targeted To The Human Granulocyte-Macrophage Colony Stimulating Factor Receptor is Selectively Toxic to Acute Myeloid Leukemia Cells. Leukemia Research 1997, Vol. 21, No. 7, pages 681-690			
	CB**	Batova, et al., The CHI14, 18-GM-CSF fusion protein is effective at mediating antibody-dependent cellular cytotoxicity and complement-dependent cytotoxicity in vitro. Clin Cancer Res. 1999 Dec; 5(12): 4259-63			
	CC**	Babai, I et al., A novel influenza subunit vaccine composed of liposome-encapsulated haemagglutinin/neuraminidase and IL-2 or GM-CSF. Vaccine Characterization and Efficacy Study in mice. Vaccine 1999 Mar 5; 17(9-10); 1223-38			
	CD**	Babai, I et al., A novel influenza subunit vaccine composed of liposome-encapsulated haemagglutinin/neuraminidase and IL-2 or GM-CSF. Vaccine Characterization and Efficacy Study in mice. Vaccine 1999 Mar 5; 17(9-10); 1239-50			
	CE**	Babai, et al., A novel liposomal influenza vaccine (INFLUSOME-VAC) containing hemagglutinin-neuraminidase and IL-2 or GM-CSF induces protective anti-neuraminidase antibodies cross-reacting with a wide spectrum of influenza A viral strains. Vaccine, Nov 12, 2001, Vol. 20, Issues 3-4 p. 505-515			
	CF**	Berzofsky et al., Progress on new vaccine strategies for the immunotherapy and prevention of cancer. The Journal of Clinical Investigation. June 2—4, Vol. 113, No. 11, 151-1525			
	CG**	Barker E., et al., Effect of a Chimeric Anti-Ganglioside GD <sub>2</sub> Antibody on Cell-mediated Lysis of Human Neuroblastoma Cells. Cancer Research (1991) 51; 144-149			
	CH**	Cantrell, et al., Cloning, sequence, and expression of a human granulocyte/macrophage colony-stimulating factor (bone marrow colony assay/cDNA cloning/yeast expression). PNAS 1985, VOL 82, pages 6250-6254			
	CI**	Chen T.T. et al., Idiotype-cytokine fusion proteins as cancer vaccines. Relative efficacy of IL-2, IL-4, and granulocyte-macrophage colony-stimulating factor. J. Immunol. 1994 Nov 15;153 (10); 4775-87			
	CJ**	Deliyannis, G. et al., A fusion DNA vaccine that targets antigen-presenting cells increases protection from viral challenge. PNAS 2000 (12):6676-6680			
	CK**	Erbe, et al., P-and E-Selectin Use Common Sites for Carbohydrate Ligand Recognition and Cell Adhesion. The Journal of Cell Biology 1993; Vol. 120, No. 5; pages 1227-1235			
	CL**	Faulkner et al., Influenza hemagglutinin peptides fused to interferon gamma and encapsulated in liposomes protects mice against influenza infection. Vaccine, February 14, 2003, Vol. 21, 932-939			
	CM**	Frankel A., et al., IL2-Ricin Fusion Toxin Is selectively Cytotoxic in Vitro to IL2 Receptors-Bearing Tumor Cells, Bioconjugate chem. 1995(6); 666-672			
	CN**	Galili et al., Cutting edge communication: Preparation of autologous leukemia and lymphoma vaccines expressing alpha GAL epitopes. Journal of Hematotherapy and Stem Cell Research, 2001, Vol. 10., 501-511			
	CO**	Gillies, SD et al., Expression of Genetically Engineered Immunoconjugates of Lymphotoxin and a Chimeric Anti-Ganglioside GD <sub>2</sub> Antibody" Hybridoma, 1991;10(3):347-356			
	CP**	Gillies, DS et al., Antibody-targeted interleukin 2 stimulates T-cell killing of autologous tumor cells, Proc. Natl. Acad. Sci. USA 1992; 89:1428-1432			

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	CQ**	Guillet, et al., Functionally active fusion protein of the novel composite cytokine CLC/soluble CNTF receptor. European Journal of Biochemistry, 2002, Vol. 269, pages 1932-1941			
	CR**	Masuda et al., Substitution of amino acid residue in influenza A virus hemagglutinin affects recognition of sialyl-oligosaccharides containing N-glycolylneuraminic acid. FEBS Letters, 1999, Vol. 464, p. 71-74			
	CS**	Nobusawa et al., Comparison of complete amino acid sequences and receptor-binding properties among 13 stereotypes of hemagglutinin of influenza A viruses. Virology 1991, Vol. 182, No. 2 pages 475-485			
	CT**	Operschall, et al., Enhanced protection against viral infection by co-administration of plasmid DNA coding for viral antigen and cytokines in mice., Journal of Clinical Virology 1999, Vol. 13, pages 17-27			
	CU**	Robinson, et al., Optimizing the stability of single-chain proteins by linker length and composition mutagenesis. Proceedings of the National Academy of Sciences of the United States of America, 1998, Vol. 95, pages 5929-5934			
	CV**	Rodriguez, D et al. A human immunodeficiency virus type 1 Env-granulocyte-macrophage colony-stimulating factor fusion protein enhances the cellular immune response to ENV in a vaccinia virus-based vaccine. J. Gen. Virol. 1999 Jan; 80 (pt1):217-23			
	CW**	Shao, et al., Anchor-Chain Molecular system for orientation control in enzyme immobilization. Bioconjug., Chem. 2000, Vol. 11 pages 822-826			
	CX**	Yu, et al, Cancer Vaccines:Progress reveals new complexities. The Journal of Clinical Investigation. August 2, Vol. 110,No. 3 289-294			
	CY**	Varki, Review: Selectin Ligands, 1994 PNAS, Vol. 91, pages 7390-7397			
	CZ**	International Search Report for International Publication No. WO/018698, Mailed June 7, 2007.			
	CA1**	Scholler, et al., CD83 is a Sialic Acid-Binding IG-like Lectin (Siglec) Adhesion Receptor that Binds Monocytes and a Subset of Activated CD8 T Cells. Journal of Immunology 2001, Vol. 166, p. 3865-3872			
	CB2**	Worthman, et al., Enhanced protective antibody responses to PspA after intranasal or subcutaneous injections of PspA genetically fused to granulocyte-macrophage colony-stimulating factor or interleukin-2. Infection and Immunity, 1998, Vol. 66, No. 4 p. 1513-20			
	CC2**	Operschall E, et al. Mechanism of protection against influenza A virus by DNA vaccine encoding the hemagglutinin gene. Intervirology. 2000;43(4-6):322-30			
	CD2**	Faulkner L., et al., IL-2 linked to a peptide from influenza hemagglutinin enhances T cell activation by affecting the antigen-presenting function of bone marrow-derived dendritic cells, International Immunology 2001, 13(6), pages 713-721			

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